HLA and External Standards

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Overview

- **Simulation Interoperability Standards Organization (SISO) structure**

- **Standards Development Process**

- **HLA Standards Efforts**

SISO Structure

Executive Committee

ensures SISO workshops and standards serve broad M&S community goals

Conference Committee

organizes biannual Simulation Interoperability Workshops

Standards Activity Committee

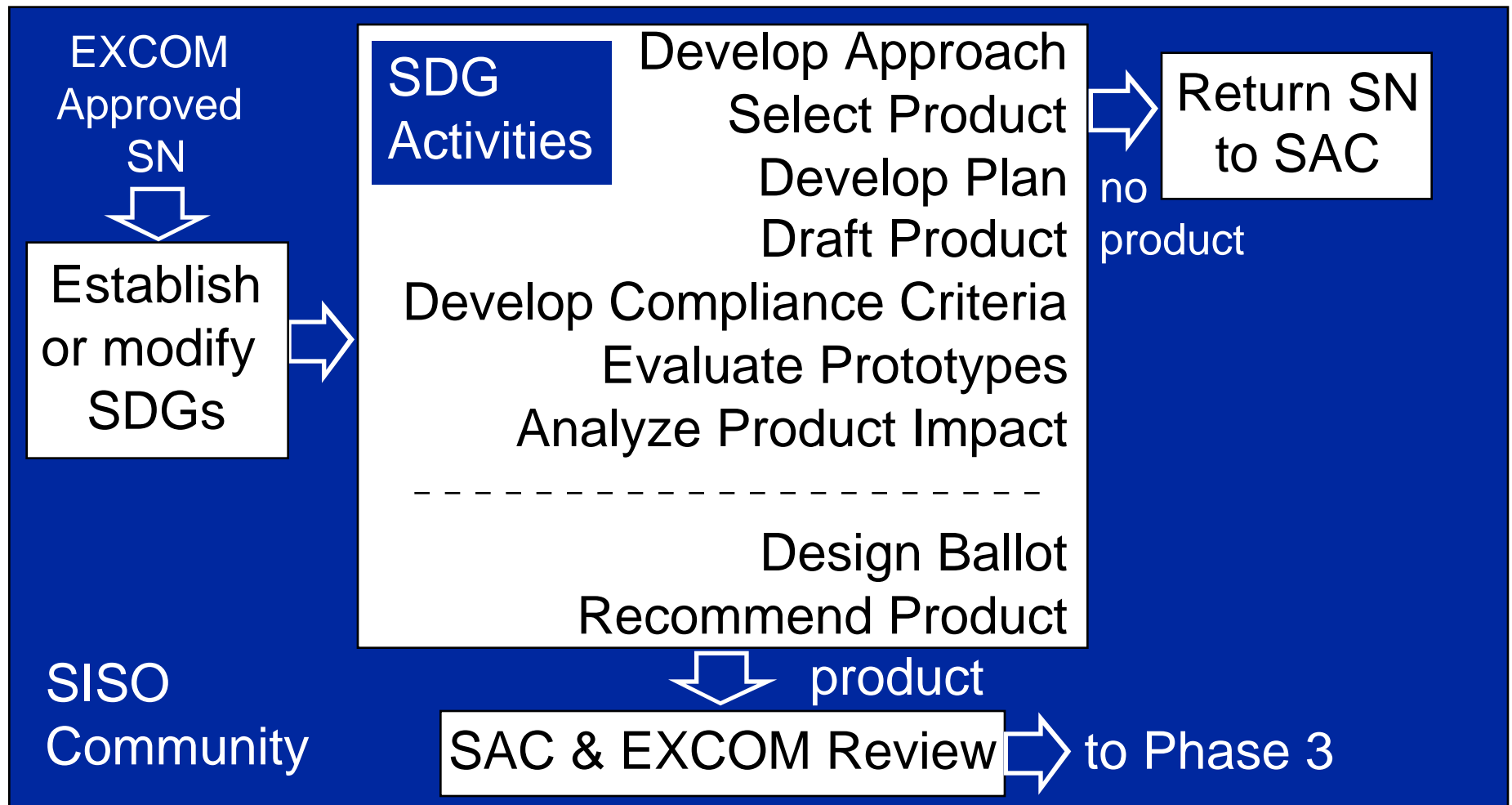develops standards that promote M&S interoperability

SISO Community

4 Phases of the Standards Development Process

- **Phase 1: Issue Identification**
- **Phase 2: Product Evaluation and Development**
- **Phase 3: Balloting**
- **Phase 4: Configuration Management and Re-certification**

Phase 1: Issue Identification

Steps in Phase 1	SISO Community	SAC	EXCOM
1. Raise and discuss issue	1		
2. Draft Standards Nomination (SN)	2		
3. Submit SN	3		
4. Evaluate (Accept or Reject) SN		4	
5. Post Accepted SN		5	
6. Respond to SN	6		
7. Evaluate (Accept or Reject) SN		7	
8. Prioritize Accepted SN		8	
9. Approve SN			9

Phase 2: Product Evaluation and Development

EXCOM Approved SN

Establish or modify SDGs

SDG Activities

Develop Approach
Select Product
Develop Plan
Draft Product
Develop Compliance Criteria
Evaluate Prototypes
Analyze Product Impact

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Design Ballot
Recommend Product

Return SN to SAC

no product

product

SAC & EXCOM Review → to Phase 3

SISO Community

Final Phases

- **Phase 3: Balloting**
- **Phase 4: CM and Re-certification**
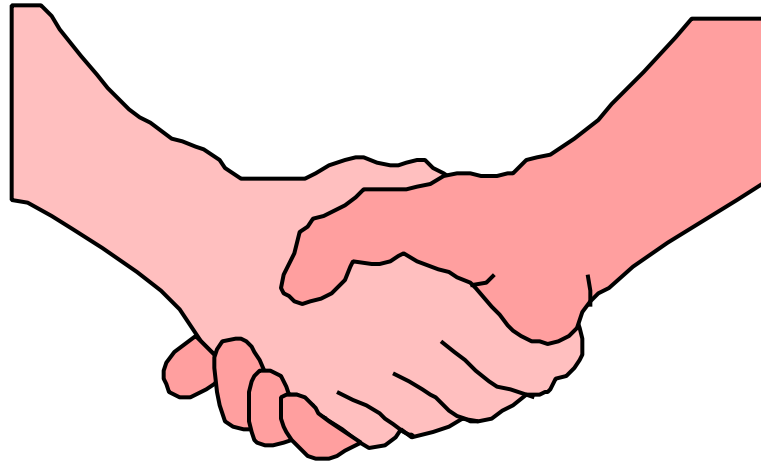
HLA Standards Efforts

- **High Level Architecture (HLA) Standards Nomination**
  - Submitted *(June 97)*
  - Posting period completed *(July 97)*
  - Community response reviewed *(August 97)*
  - SAC Recommendation Package reviewed and approved by EXCOM *(September 97)*
  - Standards Development Group (SDG) formed
  - SAC and SDG Chair initiating IEEE process for 3 products (Rules, Interface Specification, and Object Model Template) *(October 97)*
  - SDG kickoff meeting planned *(October 97)*

SDG Members

- **Drafting Group**

  Sue Symington (Chair (I))

  (R) Mike Lightner   (I) Reed Little   (O) Joe Batman

  (R) Peter Hoare   (O) Bob Lutz   (G) Deborah Fullford

- **Assigned Reviewers**
- **Group of 20 people who have committed to review the standard and other interim products as developed and provide feedback**
- **Volunteer Reviewers**

  - **Community-at-large**

- **SAC Technical Area Director: Jack Kramer**

HLA Standards Development

- **Continued development of HLA (IF Spec, OMT, Rules) by the AMG**

- **Standards development process initiated, will rely heavily on the findings of HLA users, targeted for general availability as an IEEE standard in 1999**

- **AMG invited to participate as Volunteer Reviewers**